Store at +4C

с С

Phospho-SMAD1 (Ser463/465)/ SMAD5 (Ser463/465)/ SMAD9 (Ser465/467) (D5B10) Rabbit mAb Orders:



Support:	877-678-TECH (8324
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3 Trask Lane | Danvers | Massachusetts | 01923 | USA

For Research Use Only. Not for Use in Diagnostic Procedures.

(PE Conjugate)

Applications: FC-FP	Reactivity H M R	r: Sensitivity: Endogenous	Source/Isotype: Rabbit IgG	UniProt ID: #Q99717, #Q15797, #O15198	Entrez-Gene Id: 4090, 4086, 4093	
Product Usage Information		Application Flow Cytometry (Fixed	I/Permeabilized)		ilution 50	
Storage		Supplied in PBS (pH 7. antibodies. Protect from		than 0.1% sodium azide and 2 mg/ml BSA. Store at 4°C. Do not aliquot the Do not freeze.		
Specificity / Sensitivity		Phospho-SMAD1 (Ser463/465)/ SMAD5 (Ser463/465)/ SMAD9 (Ser465/467) (D5B10) Rabbit mAb (PE Conjugate) recognizes endogenous levels of SMAD1 and SMAD5 protein when phosphorylated at Ser463/465 and SMAD9 (SMAD8) protein when phosphorylated at Ser465/467.				
Species predicted react based on 100 sequence homolo	0%	Monkey				
Source / Purification	on	-	produced by immunizing anima er463/465 of human SMAD1 ar	als with a synthetic phosphopeptide nd SMAD5 protein.	corresponding to	
Product Description	on	flow cytometry analysis	in human cells. The antibody is ugated Phospho-SMAD1 (Ser46	to phycoerythrin (PE) and tested in s expected to exhibit the same spec 63/465)/ SMAD5 (Ser463/465)/ SM	cies cross-	
Background		range of critical process and apoptosis (1,2). BM Ligand binding induces subsequently phosphor SMAD5 and SMAD9 (S the coactivating SMAD- genes (5). MAP kinases of SMAD1, including Se leads to the degradation	ses including morphogenesis, or IP receptors are members of th multimerization, autophosphory ylate SMAD1 at Ser463 and Se SMAD8) at their corresponding s 4 and translocate to the nucleus s and CDKs 8 and 9 are also re er206. Phosphorylation of SMAD	e family of signaling molecules that ell-fate determination, proliferation, e TGF- $β$ superfamily of Ser/Thr kin ylation, and activation of these rece r465 in the carboxy-terminal motif sites. These phosphorylated SMAD s, where they regulate the transcrip ported to phosphorylate residues in D1 at Ser206 recruits Smurf1 to the on at this site also promotes SMAD.	differentiation, ase receptors. eptors (3-5). They SSXS, as well as s dimerize with tion of target n the linker region e linker region and	
Background Refer		2. Hoodless, P.A. et al. 3. Klemm, J.D. et al. (19 4. Kretzschmar, M. et a 5. Whitman, M. (1998)	Genes Dev 10, 1580-94. (1996) Cell 85, 489-500. 998) Annu Rev Immunol 16, 569 I. (1997) Genes Dev 11, 984-95 Genes Dev 12, 2445-62. 007) Mol Cell 25, 441-54. 09) Cell 139, 757-69.			
Species Reactivity	/ 5	Species reactivity is dete	ermined by testing in at least on	e approved application (e.g., weste	ern blot).	
Applications Key		FC-FP: Flow Cytometry	(Fixed/Permeabilized)			
Cross-Reactivity k	Key					

1/1/24, 12:28 PM	 Phospho-SMAD1 (Ser463/465)/ SMAD5 (Ser463/465)/ SMAD9 (Ser465/467) (D5B10) Rabbit mAb (PE Conju H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected
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